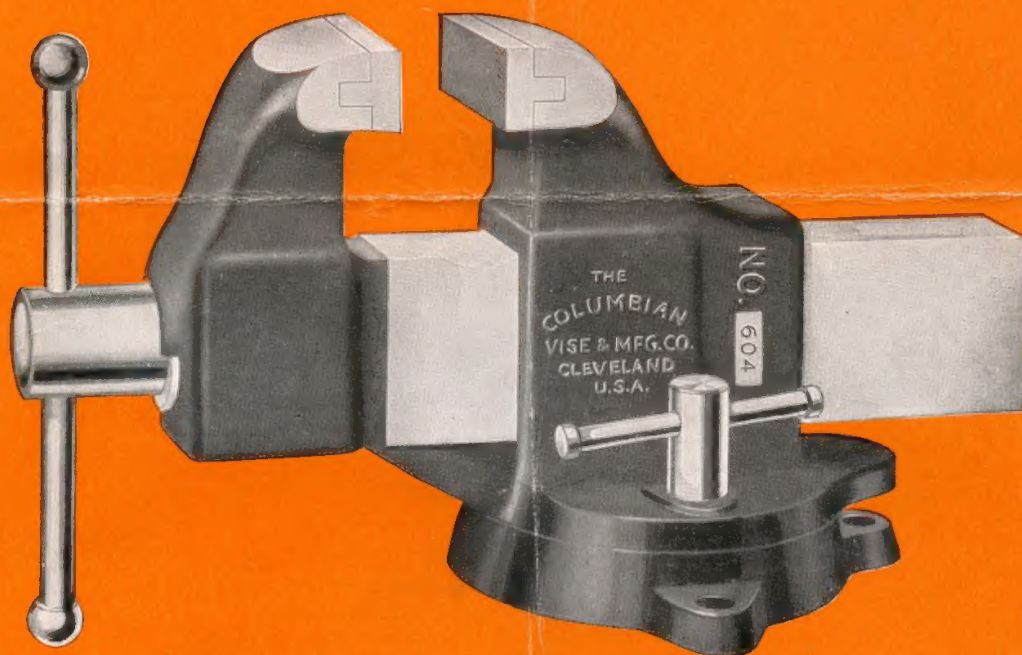


"EASY FIND" CATALOG No. 312

COLUMBIAN

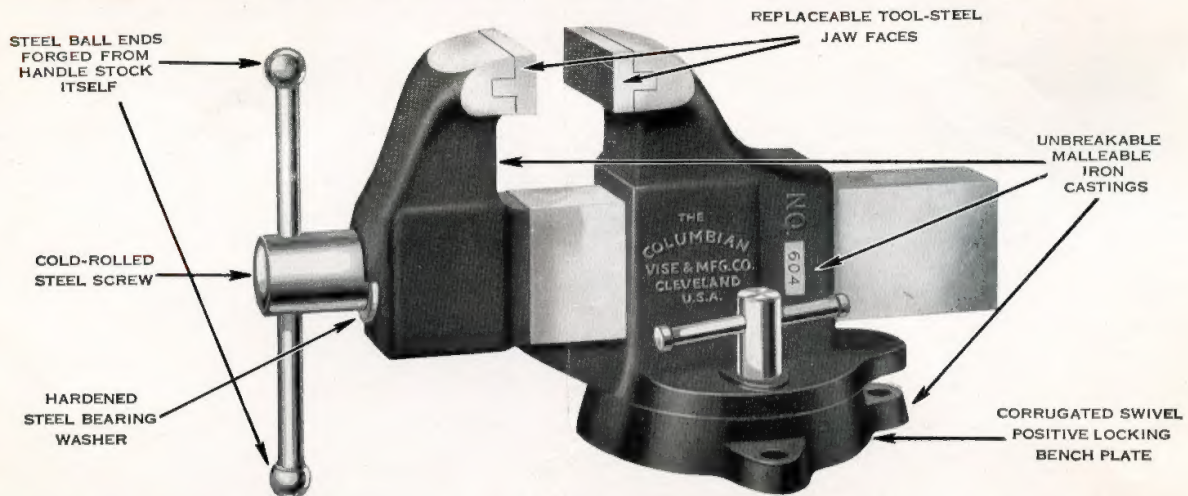
NEW IMPROVED

VICES

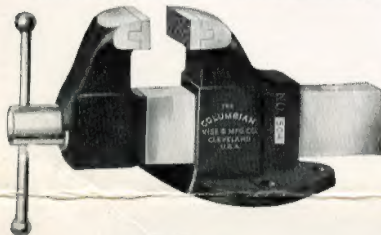


The COLUMBIAN VISE & MFG. Co.
CLEVELAND, OHIO
U. S. A.

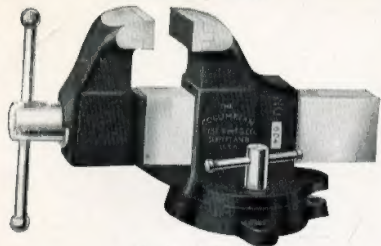
COLUMBIAN Machinists' VISES are UNBREAKABLE



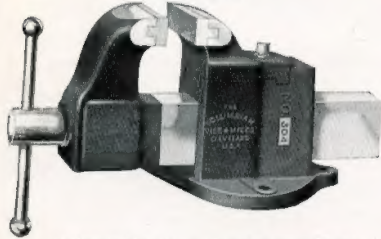
You can see by the features indicated above why Columbia Machinists' Vises are considered 100 per cent value. These features, plus the workmanship way in which these vises do their duty, have made Columbia a favorite everywhere.



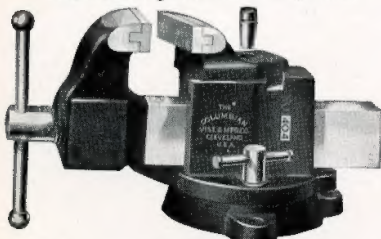
Stationary Base



Swivel Base



Adjustable Jaw, Stationary Base



Adjustable Jaw, Swivel Base

Stationary Base Machinists' Vises

The most popular type of vise for general use. The flat machined base of Columbia Malleable Iron Vises makes it unnecessary to cut into the bench for installation. Replaceable Tool Steel jaw faces, pinned on, cover the entire gripping surface of the jaws—accurately machined and heat treated. Machined to limit gauges and carefully finished.

Stationary Base

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
502 1/2	2 1/2	3 1/2	13	\$ 9.00
503	3	4 1/2	20	10.00
503 1/2	3 1/2	5	27	11.25
504	4	6	34	12.75
504 1/2	4 1/2	7	44	15.50
505	5	8	53	20.00
505 1/2	5 1/2	9	74	30.00
506	6	10	90	39.00
507	7	12	118	55.00
508	8	13	150	75.00

Swivel Base Machinists' Vises

The effective swivel base allows this vise to be swung quickly and clamped in any desired position. The steel clamping nut operates a forged steel bolt equipped with teeth which mesh into the gear-like corrugations in the bench plate to form a positive lock. The advantage of holding work at any convenient angle is appreciated by users. Sizes larger than 5 inches are fitted with two swivel clamping nuts.

Swivel Base

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
602 1/2	2 1/2	3 1/2	15	\$12.00
603	3	4 1/2	25	13.00
603 1/2	3 1/2	5	32	15.00
604	4	6	39	17.00
604 1/2	4 1/2	7	55	20.00
605	5	8	61	30.00
605 1/2	5 1/2	9	84	38.00
606	6	10	100	52.00
607	7	12	135	70.00
608	8	13	160	98.00

Adjustable Jaw, Stationary Base

By removing the pin from the back jaw of this vise it will swivel to any required position, gripping irregular or tapered work securely. The design of the Columbia adjustable jaw vise makes it as strong as a vise with plain jaws.

Stationary Base

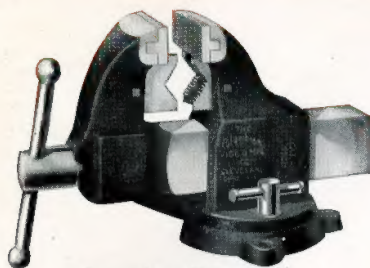
Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
303	3	4	21	\$15.00
303 1/2	3 1/2	4 1/2	32	16.00
304	4	5 1/4	36	19.00
304 1/2	4 1/2	6	46	22.00
305	5	7 1/2	61	28.00
305 1/2	5 1/2	9	75	35.00
306	6	9 1/2	100	50.00
307	7	11	133	65.00
308	8	12	221	90.00

Swivel Base

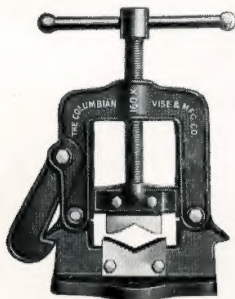
Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
403	3	4	26	\$17.50
403 1/2	3 1/2	4 1/4	35	20.00
404	4	5 1/4	44	24.00
404 1/2	4 1/2	6	55	28.00
405	5	7 1/2	68	35.00
405 1/2	5 1/2	9	88	44.00
406	6	9 1/2	116	60.00
407	7	11	152	75.00
408	8	12	247	105.00

Adjustable Jaw, Swivel Base

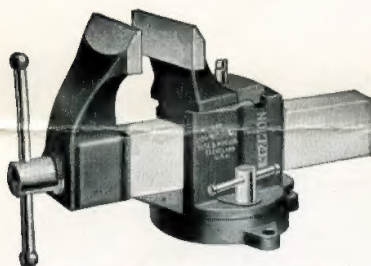
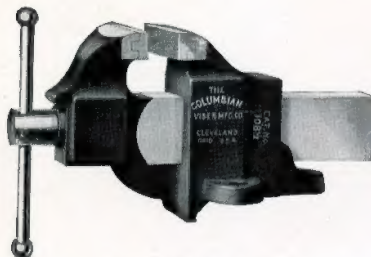
The added utility of this vise with both adjustable jaw and swivel base makes it adapted for a wide range of work. Practically indispensable in a tool room or shop where fine work is done. Equipped with Columbia design gear-type positive locking swivel base. Sizes larger than 5 inches fitted with two swivel clamping nuts.



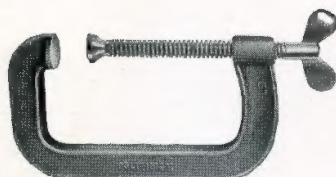
Columbian Pipe Vise



Hinged Pipe Vise

Body-makers' Vise—Adjustable Jaw—Swivel Base
(Made in four models—all 4½" Jaw)

Heavy Chipping Vise



Steel Clamp

Combination Pipe Vises, Swivel Base

Made of malleable iron with replaceable tool steel jaw faces and all the features of Columbian Machinists' Vises with the added convenience of removable pipe jaws. The three tool steel pipe jaws are *interchangeable* and each made with two working ends. Proper heat treatment of the jaws to secure correct hardness and toughness insures long service.

Hinged Pipe Vises

Made of high grade malleable iron and designed for great strength. The tool steel jaws with accurately milled teeth are carefully heat treated for hardness and tempered in oil to give toughness. Cold rolled steel is used for the screw, screwhead and handle. The ball ends of the handle are forged on and cannot come off. The flat base is made with three bolt holes and may be mounted on any plane surface. Self locking hook is easy working and unbreakable.

Body-makers'—Woodworkers' Vises

Designed with high, slender, tapering jaws especially for woodwork. Widely used in automobile body and coach construction. Perfected thru a long series of tests and made to provide the extra strength required in a vise with such a deep throat. The 4½-inch smooth jaw faces are extra deep.

Body-makers' Vises, Adjustable Jaw

The extra convenience of the adjustable back jaw makes this vise adaptable to a wide range of work. The design and construction make this vise as strong as one without the swivel jaw features. Made with greater opening than most vises of this type.

Heavy Chipping Vises

Designed for use where a vise with great mass weight, wide jaws, and large opening is required. Widely used for heavy duty service.

The machine cut diamond shaped teeth of the tool steel jaw faces make the gripping power most effective. Screw and handle of cold rolled steel. Ball ends of handle are forged on and cannot come off.

Drop-Forged Steel Clamps

Extra depth and clearance make this clamp useful for a wide range of work in automobile body plants, furniture factories, structural steel shops and other metal and wood working shops.

Drop-forged from a special quality of steel. Maximum strength is secured by correct design and heat treatment. Cold rolled steel screw and large wing-type steel handle. Steel swivel button and gripping jaw are large and well finished.

Swivel Base

Vise No.	Width Jaws Inches	Jaws Open Inches	Holds Pipe Inches	Weight Pounds Approx.	List Price
203 ½	3 ½	4	½ to 2 ½	35	\$16.00
204 ½	4 ½	5	½ to 3 ½	58	22.00
205	5	6	½ to 4 ½	90	32.00
206	6	10	½ to 6	152	45.00

Standard

Vise No.	Holds Pipe Inches	Weight Pounds Approx.	List Price
16X	½ to 1 ½	5 ½	\$ 3.60
160X	½ to 2	8	4.25
161X	½ to 2 ½	11	5.00
162X	½ to 3 ½	17	7.50
163X	½ to 4 ½	26	11.00

Heavy Duty

Vise No.	Holds Pipe Inches	Weight Pounds Approx.	List Price
164X	½ to 6	40	\$23.50
165X	1 to 8	81	47.50
166X	1 ½ to 12	163	70.00

Plain Jaws Stationary Base

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
124 ½	4 ½	9	50	\$17.50

Swivel Base

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
224 ½	4 ½	9	56	\$22.50

With Adjustable Back Jaw Stationary Base

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
324 ½	4 ½	9	54	\$25.00

Swivel Base

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
424 ½	4 ½	9	60	\$30.00

Stationary Base

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
107	7	11 ½	200	\$55.00
108 ½	8 ½	13	255	82.00

Forged Steel Clamps

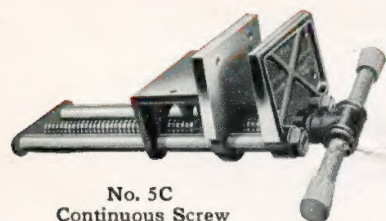
No.	Capacity Inches		Center of Screw to Back Inches	Approx. Weight Lbs.	List Price Each
	Max.	Min.			
13	3	0	2 ¾	1 ¼	\$1.80
14	4	0	2 ¾	2	2.20
15	5	0	3 ¾	2 ½	2.60
16	6	¾	3 ¾	3	3.00
18	8	2	4 ¾	4 ½	4.00
20	10	4	5 ¾	6 ½	5.00

Note: No. 16 and larger clamps, fitted with full length screws, can be furnished at slight extra cost.

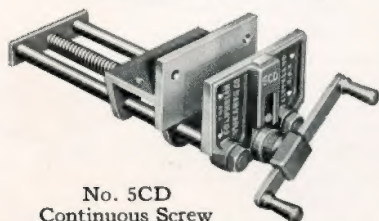
Woodworkers' Vises

Continuous Screw—Solid Nut

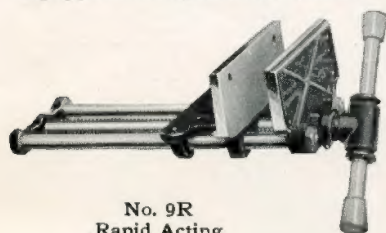
Columbian continuous screw solid nut vises are designed for general service in wood-working and manual training shops. Reliable, durable and simple in construction. Fewest possible number of parts. Heavy steel screw, made with double, fast running threads, gives maximum speed and positive action. Drag bar gives good bearing for screw at rear end.



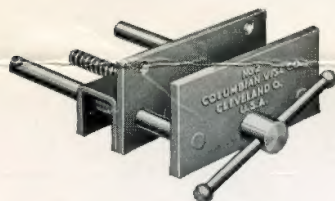
No. 5C
Continuous Screw



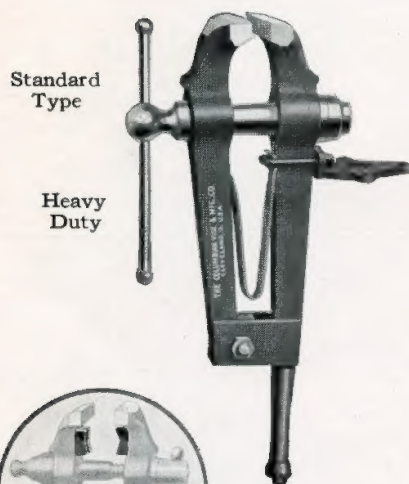
No. 5CD
Continuous Screw
Equipped with Special Steel Handle



No. 9R
Rapid Acting

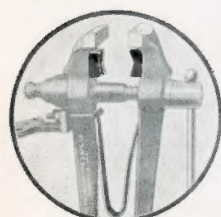


No. 2
Junior Model



Standard
Type

Heavy
Duty



Combination Pipe

Special Steel Handle

This New All-steel Adjustable Handle makes the continuous screw vise practically as fast in operation as "Rapid Acting" Vises. A tension spring in the screw-head holds the handle at any desired length.

All continuous-screw, solid-nut vises can be equipped with this new speedy-action handle at slight extra cost.

Rapid Acting

For production work and wherever time saving is important, this rapid acting model is recommended. The intercepted thread screw operating in a half nut provides a simple and efficient quick acting mechanism. Steel guide rods carefully fitted.

"Junior" Model All Steel Woodworkers' Vises

This "Junior" model vise is small in size but accurate and sturdy in construction—jaws, guide rods, screw and handle are *all made of steel*.

It can be used with a bench top of any thickness from 1" to 1½" and fastened easily with 4 screws thru the holes provided in the back jaw.

Continuous Screw

Plain Front Jaw

Vise No. New	Old No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
5C	(50C)	4 x 7	* 9	22	\$ 8.00
3C	(13A)	4 x 10	*12	30	10.00

With Dog in Front Jaw

5CD	(50CD)	4 x 7	* 9	23	9.00
3CD	(13AD)	4 x 10	*12	31	11.00

For Steel Handle Add \$1.00 to List Prices.

Rapid Acting

Plain Front Jaw

Vise No. New	Old No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	List Price
1R	(1C)	4 x 7	* 9	24	\$10.00
9R	(9B)	4 x 10	*12	32	12.00

With Dog in Front Jaw

1RD	(1CD)	4 x 7	* 9	25	11.00
9RD	(9BD)	4 x 10	*12	33	13.00

*Can be made with larger opening on special orders Extra—75c per inch added to list.

Specifications

Vise No.	Size Jaws Inches	Jaws Inches	Approx. Wt., lbs.	List Price
2	1½ x 5¼	4½	4½	\$2.00

Standard Packing—24 Vises per case.

Forged Steel Leg Vises

Standard Type

The Jaws are accurately forged by improved methods from high grade steel. Head and jaw faces heat treated to secure proper hardness. Extra heavy malleable iron nut. The U-bolt bench plate fastening is the simplest and most efficient design, while the new spring adds greater life and ease of operation. Superior in finish and appearance to any other vises of this style.

Heavy Duty Leg Vises

Especially adaptable for railroads, mines, structural steel shops and all places requiring a vise for exceptionally heavy service.

Combination Pipe Leg Vises

The extra set of removable pipe jaws adds greatly to the usefulness of this style of vise.

For pipe work or rounds in service stations, garages, pipe lines, plumbing shops, or blacksmith shops.

Standard Leg Vises

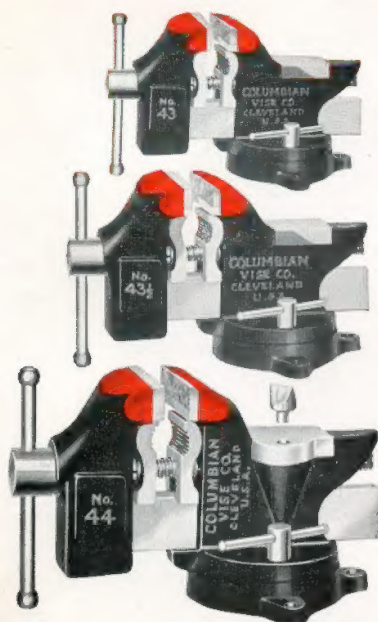
Vise No.	Width of Jaws	Jaw Open Inches	Weight Pounds Approx.	List Price
35	4	3¾	35	\$10.00
50	4½	4½	50	11.50
70	5	5¼	70	18.75
100	6	6	100	27.50

Heavy Duty

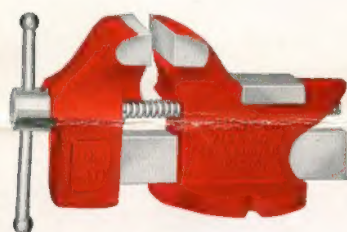
150	7	7	150	54.00
200	8	8	200	84.00

Combination Leg Vises

Vise No.	Width of Jaws	Jaw Open Inches	Weight Pounds Approx.	List Price
35P	4	Holds Pipe to 2 ins.	36	\$11.00
50P	4½	to 2½ ins.	51	13.00
70P	5	to 3½ ins.	71	21.50



Note the new No. 44 Anvil Cut-off Tool



No. 40 Vise



No. 913



No. 9 Anvil with Cut-off Tool

Garage and Household Vises The "Group of Three" Vises

This group of three vises gives dealers an assortment of the three best sizes to meet the demands of the retail trade. These vises are leaders in the low price field. Each size meets a definite need. All made with these attractive Columbian features:

- Swivel Base—with same style locking device as machinists vises;
- Steel Jaw Faces—which may be renewed when chipped or worn;
- Removable Pipe Jaws—for holding pipe or round pieces;
- Steel Sliding Beam—which gives extra strength to these vises;
- Cold Rolled Steel Screw Handle—with positive locked screw collar;
- Forged Ball Ends on Handle—cannot work loose or come off;
- Anvil Shaped Back Jaw—an added convenience to the user.

Attractive Two-Color Finish—convenient packages—Low Prices.

A special Cutting Tool, made of tool steel and heat treated is furnished with each No. 44 vise.

Specifications

Vise No.	Width Jaw Inches	Jaws Open Inches	Holds Pipe Inches	Weight Pounds Approx.	Packed*		List Price
					Vises per case	Shipping Wt. case	
43	3	3 1/2	1/4-1 1/4	14	6	90 lbs.	\$3.00
43 1/2	3 1/2	4	1/4-1 1/2	17	6	115 lbs.	4.50
44	4	4 1/2	1/4-2	28	3	95 lbs.	7.50

*The No. 43 and No. 43 1/2 are packed in individual cartons.

One cut-off Tool is included with each No. 44 Vise. Extra cut-off Tools 50c each.

N. B.—Shipped only in case lot units—Extra for less case quantities.

New No. 40 Bench Vise

A companion vise to the "Group of Three" at a lower price.

It is sturdy, carefully designed and well built to give balanced strength.

The construction features include pipe jaws, anvil back, smooth polished jaws, cold rolled steel screw and handle (with forged ball ends) and steel sliding beam. Meets every demand for an inexpensive vise for home use.

Specifications

Vise No.	Width Jaw Inches	Jaws Open Inches	Holds Pipe Inches	Weight Pounds Approx.	Packed		List Price
					Vises per case	Shipping Wt. case	
40	3	3 1/2	1/4-1 1/4	12	25	310	\$2.20

Packed in bulk only—not in individual cartons.

Clamp Vise

This style of vise is popular because of its low price and portability.

It is well made with husky 3-inch jaws and especially adapted for many jobs not requiring a heavier vise.

May be clamped to a table, automobile running board or any convenient place when being used, and stored in tool box or bench drawer when not wanted.

Specifications

Vise No.	Width Jaw Inches	Jaws Open Inches	Weight Pounds Approx.	PACKED		List Price
				Vises per case	Shipping Wt., case	
913	3	2 3/4	7	10	77 lbs.	\$2.00

Packed in individual cartons.

"Kromiron" Bench Anvil

This Bench Anvil is made of our special analysis "Kromiron" metal. It has a large tough face. Each anvil is furnished with a tool steel cutting tool which is heat-treated. A splendid tool for the industrial shop bench, for dentists, jewelers or home use.

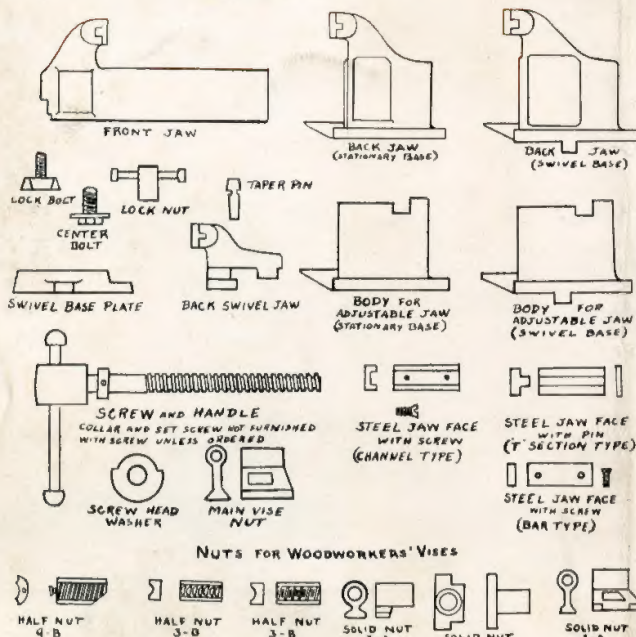
Specifications

Cat. No.	DIMENSIONS (Inches)			Weight Pounds Approx.	PACKED		List Price
	Face	Horn	Base		Number per case	Shipping Wt. case	
9	3 x 6	3	4 x 5 1/2	9	12	120 lbs.	\$2.20

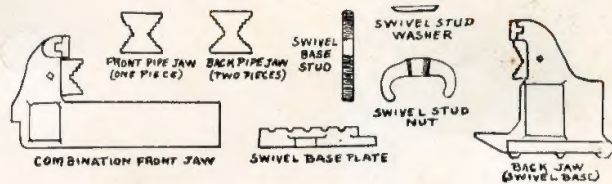
One Cut-off Tool is included with each Anvil. Extra Cut-off Tool—50c extra.

Repair Parts List Line Drawings of Vise Parts

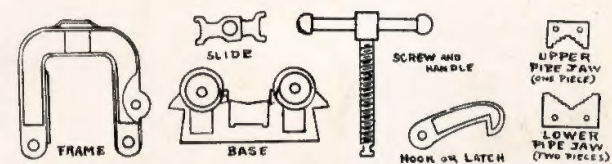
MACHINISTS' VISE PARTS



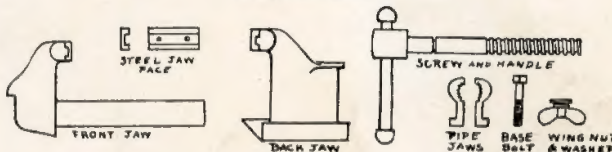
COMBINATION PIPE VISE PARTS



HINGED PIPE VISE PARTS



GARAGE VISE PARTS



THE COLUMBIAN VISE & MFG. CO. CLEVELAND, OHIO

Part List for Columbian Machinists Filers, Bodymakers' Vises

Width or Vise Jaw	Front Jaw	Back Jaw	Body for Adjustable Jaw Vise	Back Swivel Jaw	Swivel Base Plate	Taper Pin for Back Jaw	Center Bolt for Swivel Base	Lock Bolt for Swivel Base	Lock Nut for Swivel Base	Screw and Handle	Collar and Set Screw	Main Vise Nut	Steel Jaw Face Each
2	4.10	4.10	4.10	3.50	1.80	.30	.30	.30	.40	1.60	.20	.45	.90
2 1/2	4.50	4.50	5.00	4.00	2.20	.30	.40	.30	.40	1.75	.30	.50	1.00
3	5.00	5.00	5.50	4.50	2.50	.30	.40	.40	.50	2.00	.30	.65	1.20
3 1/2	5.60	5.60	6.00	5.00	3.00	.40	.50	.40	.50	2.40	.35	.80	1.25
4	6.50	6.50	7.00	5.50	4.00	.40	.50	.50	.70	3.00	.40	1.00	1.40
4 1/2	7.80	7.80	9.00	6.00	5.00	.40	.60	.50	.70	4.00	.40	1.00	1.50
5	10.00	10.00	11.50	7.00	6.00	.60	.60	.50	.70	5.00	.50	1.50	1.65
5 1/2	15.00	15.00	15.00	8.00	7.00	.85	.75	.75	1.00	6.50	.60	2.00	1.90
6	19.50	19.50	21.00	9.50	8.00	.85	.75	.75	1.00	8.00	.60	2.00	2.10
7	27.50	27.50	27.50	12.00	10.00	.85	1.00	1.00	1.25	10.00	.70	2.75	2.40
8	37.50	37.50	37.50	15.00	14.00	.85	1.00	1.00	1.25	12.00	.80	3.50	2.65

Part List for Columbian Combination Pipe Vises

Vise No.	Front Jaw	Back Jaw	Pipe Jaws Complete Set (3)	Single Pipe Jaws Each	Swivel Base Plate	Swivel Base Stud	Swivel Stud Nut	Swivel Stud Washer	Screw and Handle	Collar and Set Screw	Main Vise Nut	Steel Jaw Face Each
203 1/2	6.00	6.00	2.40	.80	1.00	.40	.35	.25	3.50	.40	1.10	1.40
204 1/2	8.00	8.00	3.30	1.10	1.80	.40	.35	.25	4.20	.50	1.50	1.65
205	12.00	12.00	5.40	1.80	2.50	.80	.70	.50	5.50	.60	1.75	1.80
206	16.00	16.00	7.20	2.40	3.00	.80	.70	.50	8.80	.70	2.80	2.30

Part List for Wood Workers' Vises

Size Vise	Front Jaw Plain	Front Jaw with Dog	Back Jaw	Screw Continuous	Screw for Rapid-Act.	Screw Head (& Rivet)	Nut for Continuous	Nut for Rapid-Act.	Nut Cap (& Screws)	Drag Bar	Handle Wood	Handle Steel
4" x 7"	4.00	5.00	5.00	3.00	4.00	1.00	1.20	1.50	.50	.50	.50	1.50
4" x 10"	5.00	6.00	6.00	4.00	5.00	1.50	1.20	1.50	.50	1.00	.50	1.50

Part List for Columbian Hinged Pipe Vises

Vise No.	Base	Frame	Screw and Handle	Hook or Latch	Slide or Jaw Clamp	Pipe Jaws Complete Set (3)	Single Pipe Jaws Each
16X	1.40	.90	1.00	.25	.25	1.50	.50
160X	1.60	1.00	1.20	.30	.25	1.80	.60
161X	1.90	1.20	1.40	.35	.30	2.10	.70
162X	2.80	1.80	2.20	.50	.45	2.55	.85
163X	4.20	2.65	3.00	.75	.65	3.60	1.20
164X	9.00	5.75	6.60	1.60	1.20	6.00	2.00

Part List for Columbian Garage Vises

Vise No.	Front Jaw	Back Jaw	Screw and Handle	Steel Jaw Face Each	Pipe Jaws Per Pair	Swivel Base Plate
43	2.00	2.25	1.20	.50	.50	1.00
43 1/2	2.25	2.50	1.25	.65	.50	1.00
44	4.00	4.50	2.00	.80	.75	1.50

Part List for Leg Vises

No.	Diam. of Screw Inches	Size Vise	Nut only	Screw only	Comp. Screw & Nut	Pipe Jaws	Springs Size Vise	Price
1	1 1/8	35 to 50	\$1.25	\$2.25	\$3.50	\$1.00	35-50	\$0.75
2	1 1/4	70	1.50	2.50	4.00	1.50	70	1.00
4	1 3/4	100 to 150	2.00	4.50	6.50		100	1.00
5	2	180-200	2.50	8.50	11.00		150-200	1.50

Repair parts are made as nearly interchangeable as practicable and usually little fitting is necessary.

Parts for discontinued numbers or obsolete models supplied only until stocks on hand are exhausted.